

Applicant: Loeb *et al.*
For: JACK MODULE WITH INTEGRATED MODEM INTERFACE
CIRCUITS

1 1. A jack module with integrated modem interface circuits comprising: a jack
2 housing for receiving a plug; a plurality of contacts in said housing for engaging contacts
3 on a plug; a plurality of terminals in said housing interconnecting with a mounting
4 member; and a line side circuit in said jack housing interconnecting with said contacts.

1 2. The jack module of claim 1 in which said jack housing receives a public
2 services telephone network plug.

1 3. The jack module of claim 1 in which said jack housing receives an RJ11
2 plug.

1 4. The jack module of claim 1 in which said terminals include pins.

1 5. The jack module of claim 4 in which said terminals include solder pins.

1 6. The jack module of claim 1 further including an isolation circuit in said
2 housing between said line side circuit and said terminals for isolating said line side circuit
3 from a system side circuit.

1 7. The jack module of claim 6 in which said system side circuit is on said
2 mounting member.

1 8. The jack module of claim 1 in which said mounting member includes a
2 motherboard.

1 9. The jack module of claim 1 in which said mounting member includes an
2 add-in card.

1 10. The jack module of claim 1 in which said jack housing includes an
2 electrical protection circuit.

1 11. The jack module of claim 10 in which said electrical protection circuit
2 includes a fuse.

1 12. The jack module of claim 11 in which said fuse includes a UL1950 fuse.

1 13. The jack module of claim 1 in which said jack housing further includes
2 line reversal diode bridge.

1 14. The jack module of claim 1 in which said jack housing further includes
2 compliance circuits.

1 15. The jack module of claim 6 in which said isolation circuit includes at least
2 one capacitor.

1 16. The jack module of claim 6 in which said isolation circuit includes a
2 transformer.

1 17. The jack module of claim 10 in which said protection circuit includes a
2 lightning suppression circuit.

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